

Symbol	Typ	Titel
E	Sektion	FIXED CONSTRUCTIONS
E04	Klasse	BUILDING (layered materials, layered products in general B32B)
E04G	Unterklasse	SCAFFOLDING; FORMS; SHUTTERING; BUILDING IMPLEMENTS OR OTHER BUILDING AIDS, OR THEIR USE; HANDLING BUILDING MATERIALS ON THE SITE; REPAIRING, BREAKING-UP OR OTHER WORK ON EXISTING BUILDINGS
		<u>Workmen's or safety scaffolds</u>
E04G 1/00	Hauptgruppe	Scaffolding primarily resting on the ground
E04G 1/02	1-Punkt Untergruppe	. composed essentially of members elongated in one dimension only, e.g. poles, lattice masts, with or without end portions of special form, connected together by any means
E04G 1/04	2-Punkt Untergruppe	. . the members being exclusively poles, rods, beams, or other members of similar form and simple cross-section
E04G 1/06	3-Punkt Untergruppe	. . . comprising members with rod-like or tubular portions fitting together end to end, with or without separate connecting pieces
E04G 1/08	3-Punkt Untergruppe	. . . secured together by bolts or the like penetrating the members
E04G 1/10	4-Punkt Untergruppe	. . . . Timber-work constructions
E04G 1/12	2-Punkt Untergruppe	. . comprising members of special, e.g. composite, cross-section, or with lugs or the like or lateral apertures for supporting or attaching other members
E04G 1/14	1-Punkt Untergruppe	. comprising essentially pre-assembled frame-like or related elements, e.g. of rods in L-, H-, or box-shape, with or without bracing (E04G 1/15 takes precedence)
E04G 1/15	1-Punkt Untergruppe	. essentially comprising special means for supporting or forming platforms (E04G 1/20 takes precedence); Platforms
E04G 1/16	1-Punkt Untergruppe	. essentially comprising simple members and members formed so as to give rigidity to the structure
E04G 1/18	1-Punkt Untergruppe	. adjustable in height
E04G 1/20	2-Punkt Untergruppe	. . Scaffolding comprising upright members and provision for supporting cross-members or platforms at different positions therealong
E04G 1/22	2-Punkt Untergruppe	. . Scaffolding having a platform on an extensible sub-structure, e.g. of telescopic type or with lazy-tongs mechanism
E04G 1/24	1-Punkt Untergruppe	. comprising essentially special base constructions; comprising essentially special ground-engaging parts, e.g. inclined struts, wheels (component parts E04G 5/00)
E04G 1/26	1-Punkt Untergruppe	. Auxiliary structures for scaffolding, e.g. steps, canopies, railings
E04G 1/28	1-Punkt Untergruppe	. designed to provide support only at a low height
E04G 1/30	2-Punkt Untergruppe	. . Ladder scaffolding
E04G 1/32	2-Punkt Untergruppe	. . Other free-standing supports, e.g. using trestles (stands or trestles in general F16M 11/00)
E04G 1/34	1-Punkt Untergruppe	. Scaffold constructions able to be folded in prismatic or flat parts or able to be turned down
E04G 1/36	1-Punkt Untergruppe	. Scaffolds for particular parts of buildings or buildings of particular shape, e.g. for stairs, cupolas, domes
E04G 3/00	Hauptgruppe	Scaffolds essentially supported by building constructions, e.g. adjustable in height (E04G 1/00 takes precedence)
E04G 3/02	1-Punkt Untergruppe	. for use without permanent provision on the building
E04G 3/04	2-Punkt Untergruppe	. . attached to the side of a building (E04G 3/10 takes precedence)

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E04G 3/06	3-Punkt Untergruppe	. . . comprising cantilevers which are detachably mounted on the building, e.g. in window openings
E04G 3/08	3-Punkt Untergruppe	. . . adapted to be attached to walls by hooks or the like, e.g. bracket scaffolds
E04G 3/10	2-Punkt Untergruppe	. . Hanging scaffolds, e.g. which can be shifted or have vertically-displaceable platforms
E04G 3/12	2-Punkt Untergruppe	. . Scaffolds specially adapted for working on roofs
E04G 3/14	1-Punkt Untergruppe	. requiring permanent provision, e.g. rails, on the building; Permanent scaffold-like arrangements for inspection or repair work
E04G 3/16	2-Punkt Untergruppe	. . Movable platforms or cradles; Movable supports therefor (E04G 3/10 takes precedence)
E04G 5/00	Hauptgruppe	Component parts for workmen's scaffolds (connections E04G 7/00)
E04G 5/02	1-Punkt Untergruppe	. Scaffold feet, e.g. with arrangements for adjustment
E04G 5/04	1-Punkt Untergruppe	. Means for fastening, supporting, or bracing scaffolds on or against building constructions (fastenings in general F16B)
E04G 5/06	1-Punkt Untergruppe	. Consoles; Brackets
E04G 5/08	1-Punkt Untergruppe	. Scaffold boards or planks (platforms E04G 1/15)
E04G 7/00	Hauptgruppe	Connections between parts of the scaffold (for building structures in general E04B 1/38; connections in general F16B)
E04G 7/02	1-Punkt Untergruppe	. with separate coupling elements
E04G 7/04	2-Punkt Untergruppe	. . Flexible elements, with or without brackets, e.g. ropes, cables, chains (in general F16G)
E04G 7/06	2-Punkt Untergruppe	. . Stiff scaffolding clamps for connecting scaffold members of common shape
E04G 7/08	3-Punkt Untergruppe	. . . Clamps for parallelly-arranged members
E04G 7/10	4-Punkt Untergruppe	. . . . Self-tightening clamps, e.g. stirrups
E04G 7/12	3-Punkt Untergruppe	. . . Clamps or clips for crossing members (E04G 7/22 takes precedence)
E04G 7/14	4-Punkt Untergruppe	. . . . for clamping the members independently
E04G 7/16	5-Punkt Untergruppe	. . . . . of which the clamping parts for the different members are rotatable with respect to one another
E04G 7/18	4-Punkt Untergruppe	. . . . for clamping the members against one another or against a separate cushioning piece between them
E04G 7/20	3-Punkt Untergruppe	. . . for ends of members only, e.g. for connecting members in end-to-end relation
E04G 7/22	3-Punkt Untergruppe	. . . for scaffold members in end-to-side relation
E04G 7/24	3-Punkt Untergruppe	. . . Couplings involving arrangements covered by more than one of the groups E04G 7/08 , E04G 7/12 , E04G 7/20 , E04G 7/22
E04G 7/26	2-Punkt Untergruppe	. . for use with specially-shaped scaffold members
E04G 7/28	2-Punkt Untergruppe	. . Clips or connections for securing boards (brackets E04G 5/06)
E04G 7/30	1-Punkt Untergruppe	. Scaffolding bars or members with non-detachably fixed coupling elements
E04G 9/00	Hauptgruppe	Forming or shuttering elements for general use
E04G 9/02	1-Punkt Untergruppe	. Forming boards or similar elements (E04G 9/08 , E04G 9/10 take precedence)

Falsework, forms, or shutterings for shaping of building parts in situ (scaffolding in general E04G 1/00; moulds for making units for prefabricated buildings or prefabricated stair units B28B 7/22; forms or shutterings forming part of the construction E04B , E04C) [5]

Symbol	Typ	Titel
E04G 9/04	2-Punkt Untergruppe	. . the form surface being of wood [2]
E04G 9/05	2-Punkt Untergruppe	. . the form surface being of plastics [2]
E04G 9/06	2-Punkt Untergruppe	. . the form surface being of metal [2]
E04G 9/08	1-Punkt Untergruppe	. Forming boards or similar elements, which are collapsible, foldable, or able to be rolled up
E04G 9/10	1-Punkt Untergruppe	. with additional peculiarities such as surface shaping, insulating or heating, permeability to water or air
E04G 11/00	Hauptgruppe	Forms, shutterings, or falsework for making walls, floors, ceilings, or roofs
E04G 11/02	1-Punkt Untergruppe	. for rooms as a whole, whole storeys, or whole buildings
E04G 11/04	1-Punkt Untergruppe	. for structures of spherical, spheroid or similar shape, or for cupola structures of circular or polygonal horizontal or vertical section; Inflatable forms (connection of valves to inflatable elastic bodies B60C 29/00)
E04G 11/06	1-Punkt Untergruppe	. for walls, e.g. curved (E04G 11/04 takes precedence)
E04G 11/08	2-Punkt Untergruppe	. . Forms which are completely dismantled after setting of the concrete and re-built for the next pouring (connecting or supporting means for forms E04G 17/00)
E04G 11/10	3-Punkt Untergruppe	. . . of elements without beams (E04G 11/18 takes precedence)
E04G 11/12	3-Punkt Untergruppe	. . . of elements and beams (E04G 11/18 takes precedence)
E04G 11/14	4-Punkt Untergruppe	. . . . with beams arranged in alignment with, and between the, elements
E04G 11/16	4-Punkt Untergruppe	. . . . with beams placed within the wall
E04G 11/18	3-Punkt Untergruppe	. . . for double walls
E04G 11/20	2-Punkt Untergruppe	. . Movable forms; Movable forms for moulding cylindrical, conical, or hyperbolical structures; Templates serving as forms for positioning blocks or the like (E04G 11/04 takes precedence)
E04G 11/22	3-Punkt Untergruppe	. . . Sliding forms raised continuously or step-by-step and being in contact with the poured concrete during raising; Arrangements of lifting means therefor
E04G 11/24	4-Punkt Untergruppe	. . . . Construction of lifting jacks or climbing rods for sliding forms (climbing-type hoisting units in general B66F)
E04G 11/26	3-Punkt Untergruppe	. . . the sheathing of which consists of ribbons, endless aprons, or the like, guided by driven rollers
E04G 11/28	3-Punkt Untergruppe	. . . Climbing forms, i.e. forms which are not in contact with the poured concrete during lifting from layer to layer
E04G 11/30	4-Punkt Untergruppe	. . . . which are lifted from layer to layer by turning, tilting, or similar moving upwards about a horizontal axis
E04G 11/32	3-Punkt Untergruppe	. . . Tiltable forms or tilting tables for making walls as a whole or in parts in situ
E04G 11/34	3-Punkt Untergruppe	. . . Horizontally-travelling moulds for making walls blockwise or sectionwise (E04G 11/26 takes precedence)
E04G 11/36	1-Punkt Untergruppe	. for floors, ceilings, or roofs of plane or curved surfaces
E04G 11/38	2-Punkt Untergruppe	. . for plane ceilings of concrete
E04G 11/40	2-Punkt Untergruppe	. . for coffered or ribbed ceilings
E04G 11/42	3-Punkt Untergruppe	. . . with beams of metal or prefabricated concrete
E04G 11/44	3-Punkt Untergruppe	. . . with supporting beams for the shuttering used simultaneously as permanent reinforcement of the ribs
E04G 11/46	3-Punkt Untergruppe	. . . of hat-like or trough-like shape encasing a rib or the section between two ribs or encasing one rib and its adjacent flat floor or ceiling section

Symbol	Typ	Titel
E04G 11/48	2-Punkt Untergruppe	. . Supporting structures for shutterings or frames for floors or roofs (struts E04G 25/00)
E04G 11/50	3-Punkt Untergruppe	. . . Girders, beams, or the like as supporting members for forms (members, e.g. consoles, for attachment to the wall E04G 17/16; girders intended to form part of the construction E04C 3/02)
E04G 11/52	4-Punkt Untergruppe	. . . . of several units arranged one after another
E04G 11/54	4-Punkt Untergruppe	. . . . of extensible type, with or without adjustable supporting shoes, fishplates, or the like
E04G 11/56	5-Punkt Untergruppe	. . . . . of telescopic type
E04G 13/00	Hauptgruppe	Falsework, forms, or shutterings for particular parts of buildings, e.g. stairs, steps, cornices, balconies
E04G 13/02	1-Punkt Untergruppe	. for columns or like pillars; Special tying or clamping means therefor
E04G 13/04	1-Punkt Untergruppe	. for lintels, beams, or transoms to be encased separately; Special tying or clamping means therefor (members, e.g. consoles, for attachment to the wall E04G 17/16)
E04G 13/06	1-Punkt Untergruppe	. for stairs, steps, cornices, balconies, or other parts corbelled out of the wall
E04G 15/00	Hauptgruppe	Forms or shutterings for making openings, cavities, slits, or channels (forming part of shuttering for walls E04G 11/06)
E04G 15/02	1-Punkt Untergruppe	. for windows, doors, or the like
E04G 15/04	1-Punkt Untergruppe	. Cores for anchor holes or the like
E04G 15/06	1-Punkt Untergruppe	. for cavities or channels in walls or floors, e.g. for making chimneys
E04G 17/00	Hauptgruppe	Connecting or other auxiliary members for forms, falsework structures, or shutterings
E04G 17/02	1-Punkt Untergruppe	. Connecting or fastening means for non-metallic forming or stiffening elements
E04G 17/04	1-Punkt Untergruppe	. Connecting or fastening means for metallic forming or stiffening elements
E04G 17/06	1-Punkt Untergruppe	. Tying means; Spacers
E04G 17/065	2-Punkt Untergruppe	. . Tying means, the tensional elements of which are threaded to enable their fastening or tensioning [5]
E04G 17/07	2-Punkt Untergruppe	. . Tying means, the tensional elements of which are fastened or tensioned by means of wedge-shaped members [5]
E04G 17/075	2-Punkt Untergruppe	. . Tying means, the tensional elements of which are fastened or tensioned by other means [5]
E04G 17/12	2-Punkt Untergruppe	. . with arms engaging the forms
E04G 17/14	1-Punkt Untergruppe	. Bracing or strutting arrangements for formwalls; Devices for aligning forms (E04G 25/00 takes precedence)
E04G 17/16	1-Punkt Untergruppe	. Members, e.g. consoles, for attachment to the wall to support girders, beams, or the like carrying forms or moulds for floors, lintels, or transoms
E04G 17/18	1-Punkt Untergruppe	. Devices for suspending or anchoring form elements to girders placed in ceilings, e.g. hangers
E04G 19/00	Hauptgruppe	Auxiliary treatment of forms, e.g. dismantling; Cleaning devices (lubricating compositions C10M)
E04G 21/00	Hauptgruppe	Preparing, conveying, or working-up building materials or building elements in situ; Other devices or measures for constructional work (working stone-like materials B28D; conveying in general B65G; lifting devices B66; measuring instruments G01)
E04G 21/02	1-Punkt Untergruppe	. Conveying or working-up concrete or similar masses able to be heaped or cast (working concrete in general, e.g. mixing machines, B28C; composition of concrete C04B; construction and surfacing of floorings made of similar material to roads or pavements E01C; in connection with barrages E02B 7/00; in connection with foundations E02D 15/00; in connection with finishing work E04F)
E04G 21/04	2-Punkt Untergruppe	. . Devices for both conveying and distributing (concrete pumps F04)

Symbol	Typ	Titel
E04G 21/06	2-Punkt Untergruppe	. . Compacting concrete, e.g. by application of vacuum before hardening (for road building E01C 19/00; devices for compacting also soil E02D 3/02)
E04G 21/08	3-Punkt Untergruppe	. . . Internal vibrators
E04G 21/10	2-Punkt Untergruppe	. . Devices for levelling, e.g. templates or boards (smoothing tools E04F 21/16 , E04F 21/24)
E04G 21/12	1-Punkt Untergruppe	. Mounting of reinforcing inserts; Prestressing (shell tubes for prestressing members E04C 5/10; anchoring means E04C 5/12; connections of reinforcing elements and spacers E04C 5/16)
E04G 21/14	1-Punkt Untergruppe	. Conveying or assembling building elements (roofing E04D; finishing work E04F)
E04G 21/16	2-Punkt Untergruppe	. . Tools or apparatus (devices for erecting fences E04H 17/26)
E04G 21/18	3-Punkt Untergruppe	. . . Adjusting tools; Templates
E04G 21/20	3-Punkt Untergruppe	. . . for applying mortar
E04G 21/22	3-Punkt Untergruppe	. . . for setting building elements with mortar, e.g. brick-laying machines
E04G 21/24	1-Punkt Untergruppe	. Safety or protective measures preventing damage to building parts or finishing work during construction (as auxiliary structures for scaffolding E04G 1/26)
E04G 21/26	2-Punkt Untergruppe	. . Strutting means for wall parts; Supports or the like, e.g. for holding in position prefabricated walls (E04G 25/00 takes precedence; on existing buildings E04G 23/04)
E04G 21/28	2-Punkt Untergruppe	. . against unfavourable weather influence
E04G 21/30	2-Punkt Untergruppe	. . against mechanical damage or dirt, e.g. guard covers of stairs
E04G 21/32	1-Punkt Untergruppe	. Safety or protective measures for persons during the construction of buildings (relating to scaffolding E04G 1/00 , E04G 3/00; ropes or belts for life-saving A62B 1/16 , A62B 35/00; climbing tools, e.g. climbing irons for masts, A63B 27/00)
E04G 23/00	Hauptgruppe	Working measures on existing buildings (on foundations E02D 35/00 , E02D 37/00; in connection with insulations E04B; subsequent or finishing work E04F)
E04G 23/02	1-Punkt Untergruppe	. Repairing, e.g. filling cracks; Restoring; Altering; Enlarging
E04G 23/03	2-Punkt Untergruppe	. . specially adapted for roofs, e.g. to fit out attics [5]
E04G 23/04	1-Punkt Untergruppe	. Propping of endangered or damaged buildings or building parts, e.g. with respect to air-raid action (struts E04G 25/00)
E04G 23/06	1-Punkt Untergruppe	. Separating, lifting, removing of buildings; Making a new sub-structure
E04G 23/08	1-Punkt Untergruppe	. Wrecking of buildings (of fences E04H 17/26)
E04G 25/00	Hauptgruppe	Shores or struts (specially designed for use in mines E21D 15/00); Chocks
E04G 25/02	1-Punkt Untergruppe	. non-telescopic
E04G 25/04	1-Punkt Untergruppe	. telescopic
E04G 25/06	2-Punkt Untergruppe	. . with parts held together by positive means
E04G 25/08	2-Punkt Untergruppe	. . with parts held relatively to each other by friction or gripping
E04G 27/00	Hauptgruppe	Temporary arrangements for giving access from one level to another for men or vehicles, e.g. steps, ramps (for scaffolding E04G 1/26; gangways B63; lifts B66; landing bridges E01D 15/24; permanent stairways or ramps E04F 11/00; ladders E06C)